WTTF TIFFIN, OH BL-- 1600 kHz

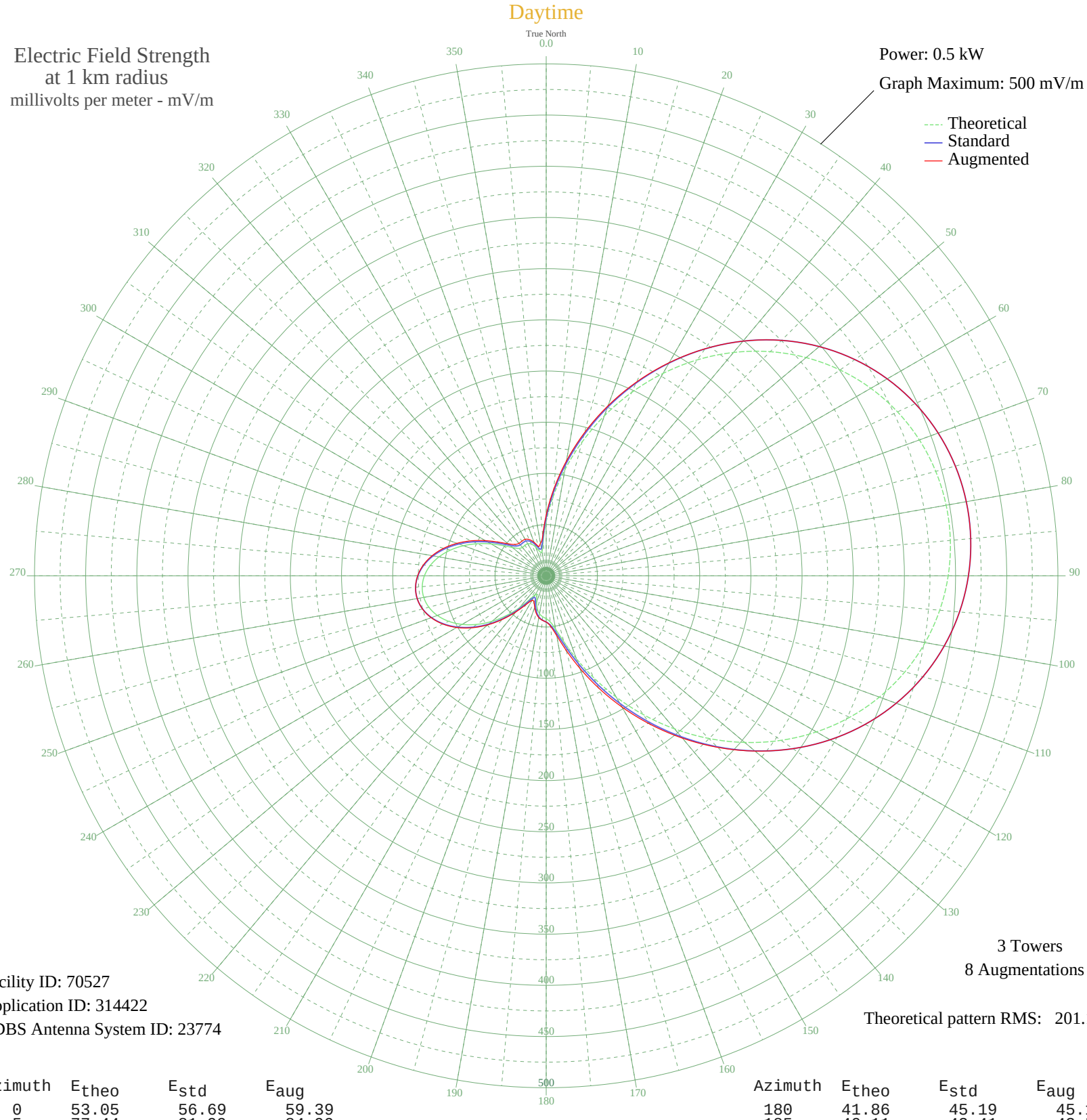
Daytime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 0.5 kW

Graph Maximum: 500 mV/m

Theoretical
Standard
Augmented



3 Towers
8 Augmentations

Facility ID: 70527
Application ID: 314422
CDBS Antenna System ID: 23774

Theoretical pattern RMS: 201.17

Azimuth	E_{theo}	E_{std}	E_{aug}
0	53.05	56.69	59.39
5	77.44	81.99	84.99
10	105.24	111.00	113.91
15	135.21	142.36	144.84
20	166.31	174.94	176.77
25	197.59	207.74	208.86
30	228.23	239.88	240.39
35	257.49	270.57	270.70
40	284.76	299.18	299.18
45	309.57	325.22	325.22
50	331.57	348.30	348.30
55	350.52	368.19	368.19
60	366.29	384.74	384.74
65	378.81	397.89	397.89
70	388.06	407.60	407.60
75	394.07	413.91	413.91
80	396.85	416.83	416.83
85	396.43	416.38	416.38
90	392.80	412.58	412.58
95	385.98	405.42	405.42
100	375.97	394.91	394.91
105	362.79	381.07	381.07
110	346.47	363.94	363.94
115	327.12	343.64	343.64
120	304.93	320.34	320.34
125	280.16	294.36	294.37
130	253.24	266.11	266.35
135	224.68	236.15	236.99
140	195.18	205.21	206.97
145	165.54	174.14	177.03
150	136.73	143.95	147.97
155	109.80	115.77	120.67
160	85.99	90.90	96.07
165	66.61	70.73	75.26
170	52.90	56.53	59.43
175	45.17	48.58	49.51

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

02 Nov 2005

Prepared by Audio Division, Media Bureau
Federal Communications Commission

Azimuth	E_{theo}	E_{std}	E_{aug}
180	41.86	45.19	45.19
185	40.11	43.41	43.57
190	37.60	40.85	41.50
195	33.27	36.48	37.86
200	27.32	30.54	32.88
205	21.67	25.06	28.31
210	21.03	24.45	27.76
215	28.48	31.69	34.23
220	40.79	44.10	45.93
225	54.89	58.58	59.98
230	69.19	73.40	74.55
235	82.75	87.52	88.51
240	94.91	100.21	101.00
245	105.18	110.94	111.48
250	113.19	119.31	119.61
255	118.68	125.06	125.17
260	121.51	128.01	128.02
265	121.60	128.12	128.15
270	119.01	125.40	125.62
275	113.86	120.01	120.57
280	106.38	112.19	113.19
285	96.92	102.30	103.79
290	85.95	90.86	92.81
295	74.12	78.53	80.84
300	62.26	66.22	68.67
305	51.46	55.04	57.48
310	42.98	46.33	48.67
315	37.91	41.17	43.32
320	36.20	39.43	41.38
325	36.28	39.52	41.36
330	36.09	39.32	41.12
335	34.12	37.33	39.07
340	29.86	33.07	34.81
345	24.63	27.92	29.77
350	23.84	27.15	32.36
355	33.98	37.20	39.30